

Title (en)

LITHOGRAPHIC PRINTING ORIGINAL PLATE AND PLATE MAKING METHOD

Title (de)

ORIGINALFLACHDRUCKPLATTE UND PLATTENHERSTELLUNGSVERFAHREN

Title (fr)

PLAQUE ORIGINALE D'IMPRESSION LITHOGRAPHIQUE ET PROCÉDÉ DE FABRICATION DE PLAQUE

Publication

EP 2905144 A4 20160810 (EN)

Application

EP 13841168 A 20130830

Priority

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Abstract (en)

[origin: EP2905144A1] Provided is a lithographic printing original plate which is characterized by being obtained by forming, on a supporting body, an image recording layer that contains (A) an infrared absorbent, (B) a sulfonium salt, (C) a polymerizable compound and (D) a binder polymer. This lithographic printing original plate is also characterized in that: the sulfonium salt (B) has a triarylsulfonium structure that has three or more electron-withdrawing groups as substituents; and at least one aryl group constituting the triarylsulfonium structure comprises at least one of the electron-withdrawing groups and at least one group that is selected from the group consisting of hydrocarbon groups having 4-12 carbon atoms, groups wherein a hydrocarbon group having 4-12 carbon atoms is bonded with an oxygen atom or a sulfur atom, and ethylene oxide groups having 1-3 repeating units. Consequently, this lithographic printing original plate enables direct recording from digital data of a computer or the like, has high sensitivity, and is capable of forming a high-quality image by suppressing the progression of an undesired curing reaction in a non-image portion. This lithographic printing original plate is capable of providing a lithographic printing plate that has high printing durability. Also provided is a plate making method which uses this lithographic printing original plate.

IPC 8 full level

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Citation (search report)

- [A] EP 1431032 A1 20040623 - FUJI PHOTO FILM CO LTD [JP]
- See references of WO 2014050435A1

Cited by

BE1026164B1; EP3865473A4; US11820735B2; US11746085B2

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